

PRESS RELEASE

CISSOID introduces a new family of P-channel high temperature power MOSFET transistors

Mont-Saint-Guibert, Belgium – February 2010. CISSOID, leader in high temperature semiconductor solutions, introduced VENUS, their new family of High Temperature 30V P-channel power MOSFET Transistors guaranteed for operation from -55°C up to +225°C. The VENUS family of P-channel power MOSFETs named CHT-PMOS3002, CHT-PMOS3004 and CHT-PMOS3008 are rated respectively for 2A, 4A and 8A maximum drain current. They complement the SATURN family of N-channel MOSFETs introduced by the company in November 2009.

VENUS power MOSFETs exhibit outstanding high temperature performances. At 225°C, CHT-PMOS3002's gate leakage current remains below 50nA, while its drain off current is as low as 10µA and its turn-on delay time is 30ns. On-resistance and input capacitance of the family range respectively from 0.4Ω to 1.7Ω and from 150pF to 450pF.



The VENUS family from CISSOID enables the design of any system requiring reliable power control in a harsh environment from -55°C to +225°C, from motor drivers, DC-DC converters

and SMPS, to inverters. Furthermore, P-Channel transistors make easier the design and control of high-side switches avoiding bootstrap or charge pump techniques. With VENUS products, system designers can improve cost, reliability and weight whilst banning fluid cooling from their application such as industrial process control, car battery chargers and aircraft actuators.

CHT-PMOS3002, CHT-PMOS3004, and CHT-PMOS3008, are available immediately for sampling and evaluation in TO-254 Metal Can package. Pricing starts at 201.40€ up to 200 units. For more information, visit www.cissoid.com or contact the company's representatives at www.cissoid.com/company/about-us/contacts.html.

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About Cissoid - www.cissoid.com

CISSOID is the leader in high temperature semiconductor solutions, delivering standard products and custom solutions for power management, power conversion and signal conditioning in extreme temperature and harsh environments. CISSOID provides high reliability products guaranteed from -55°C to +225°C and commonly used outside that range, from cryogenic lows to upper extremes.

Whether the ambient temperature is low but the power dissipation heats up the chips, or in high temperature environments, CISSOID products enable energy, weight and cost savings in lighter, cooling-free and more compact electronic systems. They are used in mission-critical systems as well as in applications requiring long term reliability. CISSOID supplies leaders in the Oil&Gas, Aeronautics, Industrial and Automotive markets.